10/532312 Manufacturing Duct" CT/PTO 22 APR 2005 INVENTOR(s): Toshio Yamamoto, et al.; TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparatu TTY. DOCKET NO. 19036/40258/US; Page 1 37.59 II, Gerstein & Borun 312-474-6300 - Richard H. Anderson

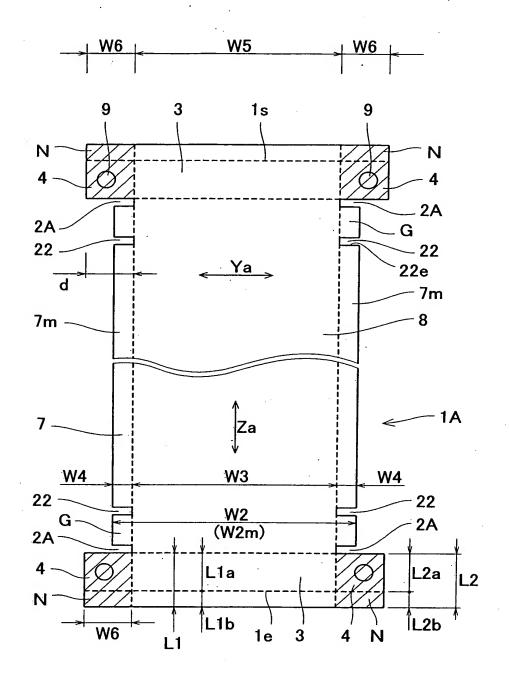


Fig. 1

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 2 of 59
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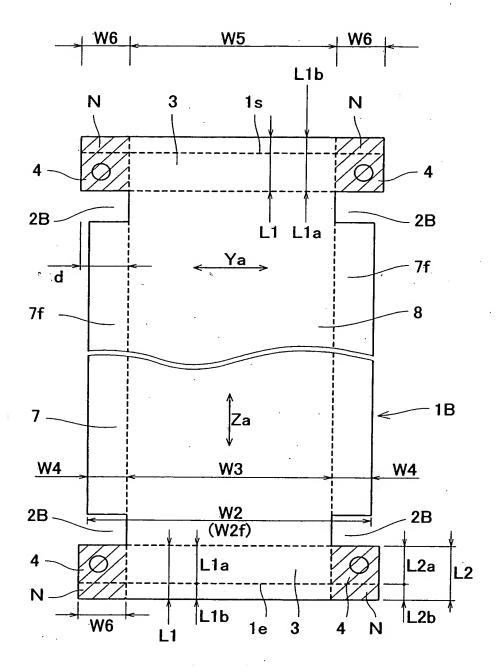


Fig. 2

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INVENTOR(s): Toshio Yamamoto, et al.;

"Cornerplate-less Duct, Method of Manufacturing Duct, and Apparatus for Manufacturing D ATTY. DOCKET NO. 19036 (W.S.; Page 3 of 59)

Marshall, Gerstein & Borun 312-474-0300 - Richard H. Anderson

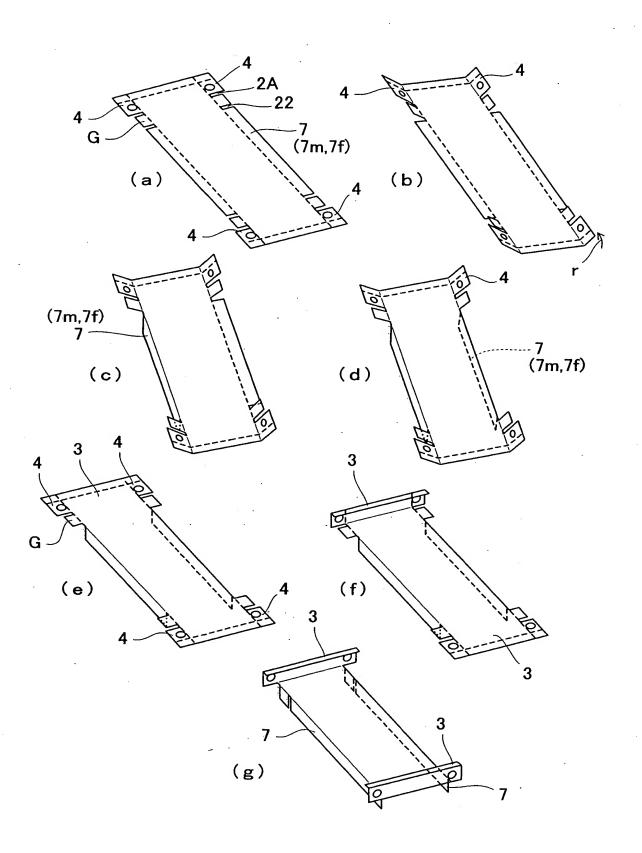
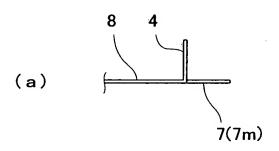
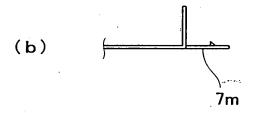
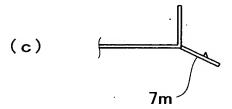
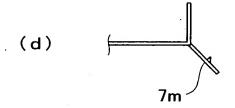


Fig. 3









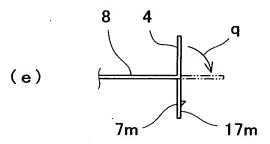
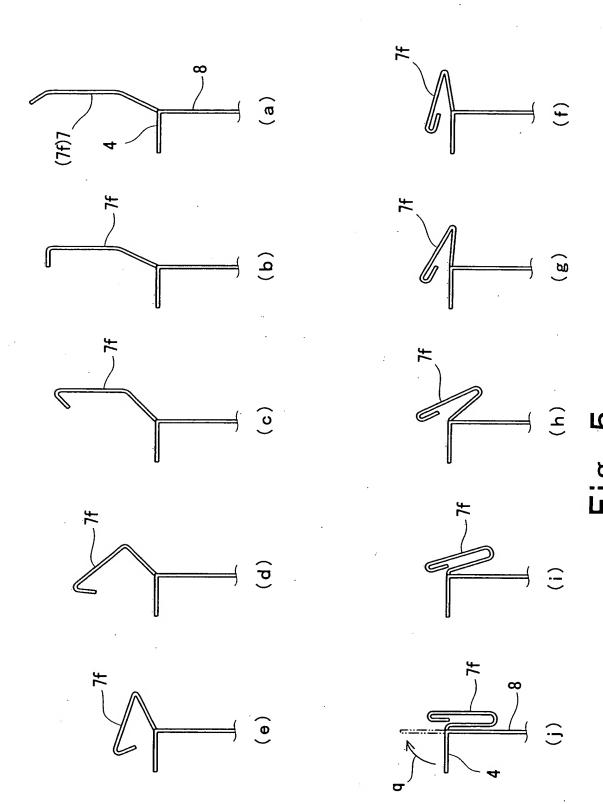


Fig. 4

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of TTY. DOCKET NO. 19036/40258/US; Page 5 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson ar Manufacturing Duct"



INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 6 of 59

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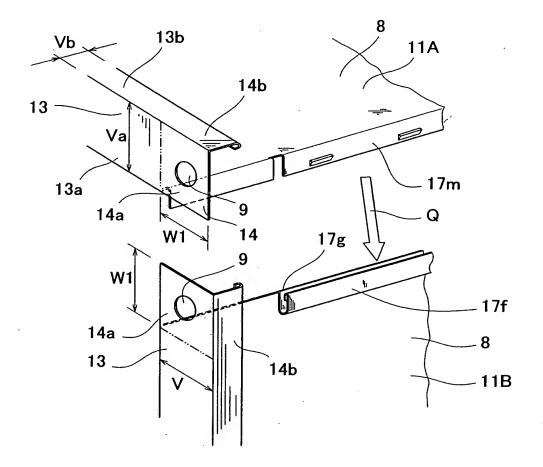


Fig. 6

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 7 of 59
Mix. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

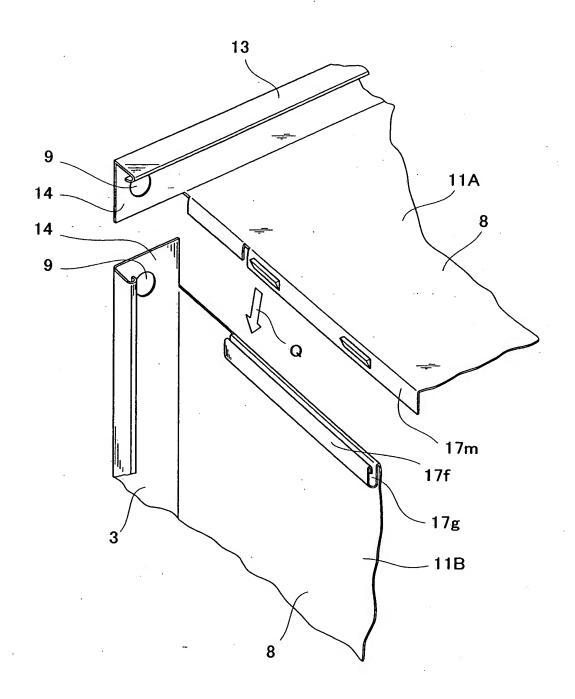


Fig. 7

10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing D
TTY. DOCKET NO. 19036/40258/US; Page 8 of 59
Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

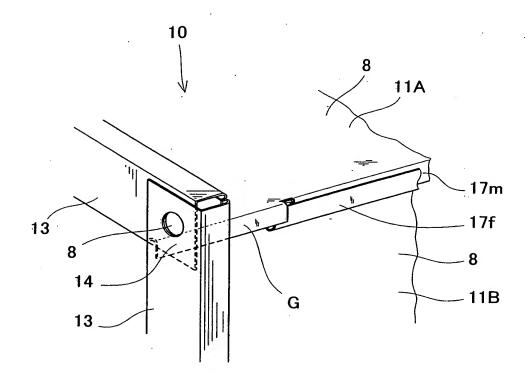


Fig. 8

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 9 of 59 Manufacturing Duct" ll, Gerstein & Borun 312-474-6300 - Richard H. Anderson

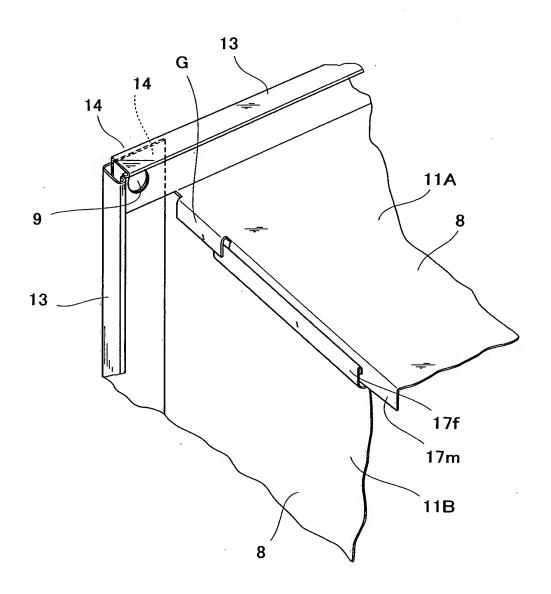


Fig. 9

90/532312 Y Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing TTY. DOCKET NO. 19036/40258/US; Page 10 of 59 Manufacturing Man

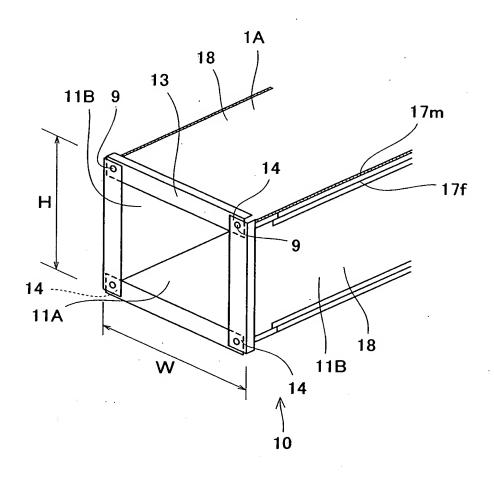


Fig. 10

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less-Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 11 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson r Manufacturing Duct"

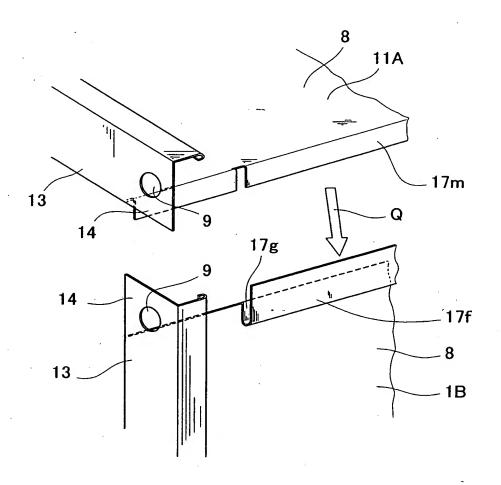


Fig. 11

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature or Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 12 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

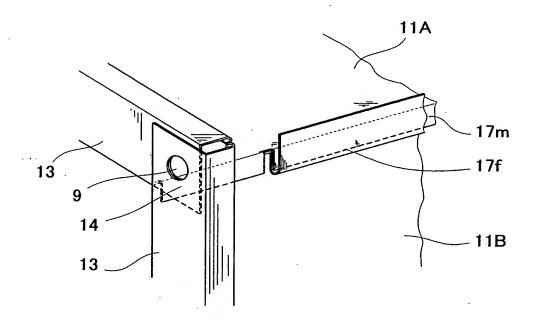
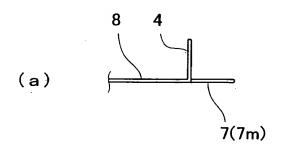
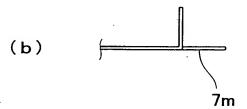
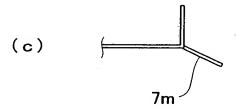
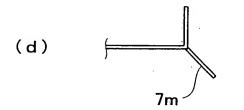


Fig. 12









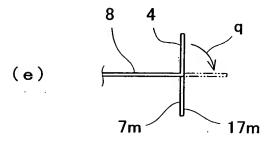
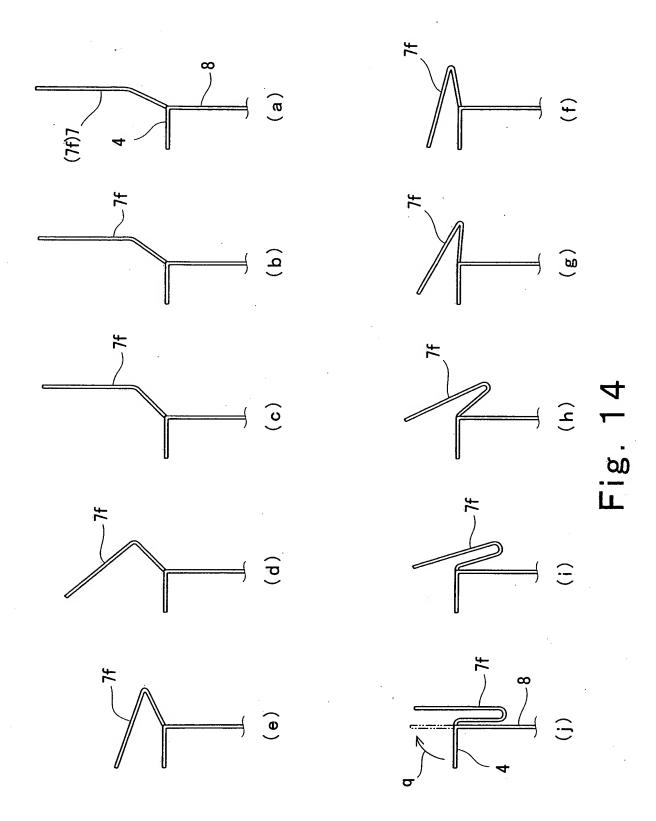


Fig. 13

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of TTY. DOCKET NO. 19036/40258/US; Page 14 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"



INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity."
TTY. DOCKET NO. 19036/40258/US; Page 15 of 59 r Manufacturing Duct" il, Gerstein & Borun 312-474-6300 - Richard H. Anderson

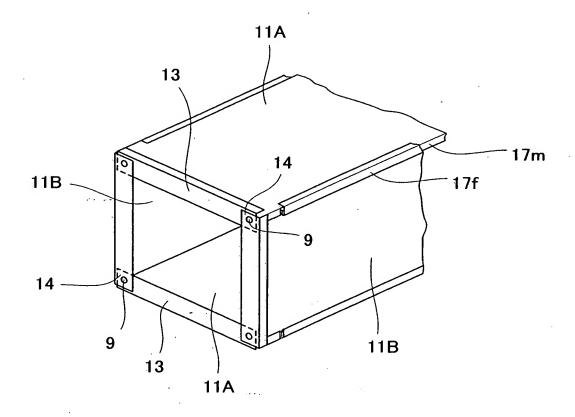


Fig. 15

10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 16 of 59 il, Gerstein & Borun 312-474-6300 - Richard H. Anderson

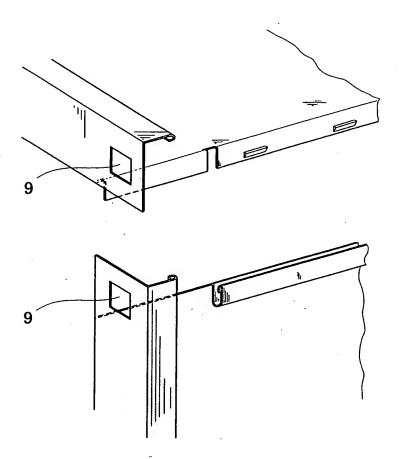


Fig. 16

10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct
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TTY. DOCKET NO. 19036/40258/US; Page 17 of 59

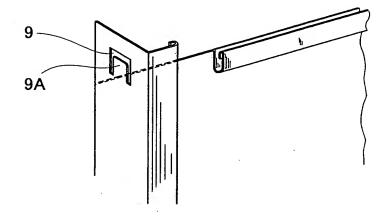
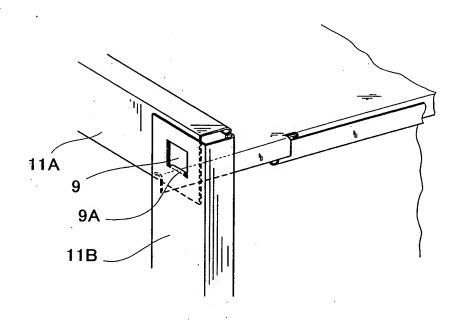


Fig. 17

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less-Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 18 of 59 Manufacturing Duct" il, Gerstein & Borun 312-474-6300 - Richard H. Anderson



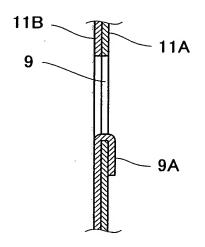


Fig. 18

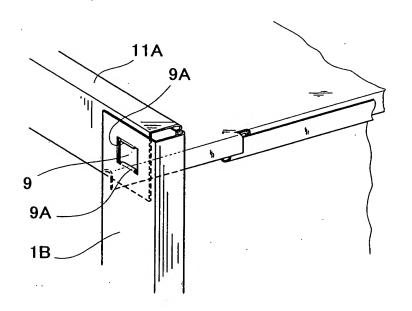
INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

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Manufacturing Duct"

Manufacturing Duct"



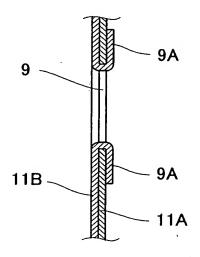


Fig. 19

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 20 of 59
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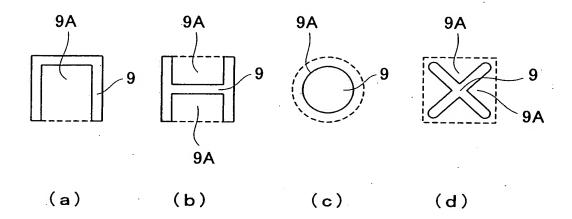


Fig. 20

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 21 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

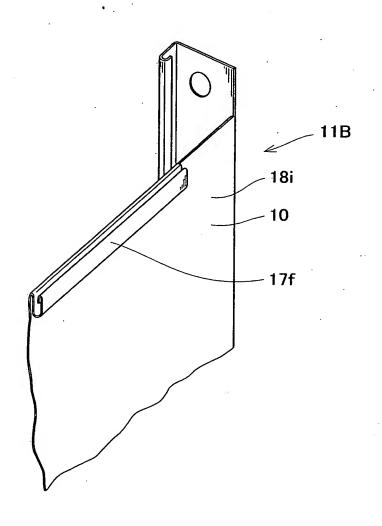


Fig. 21

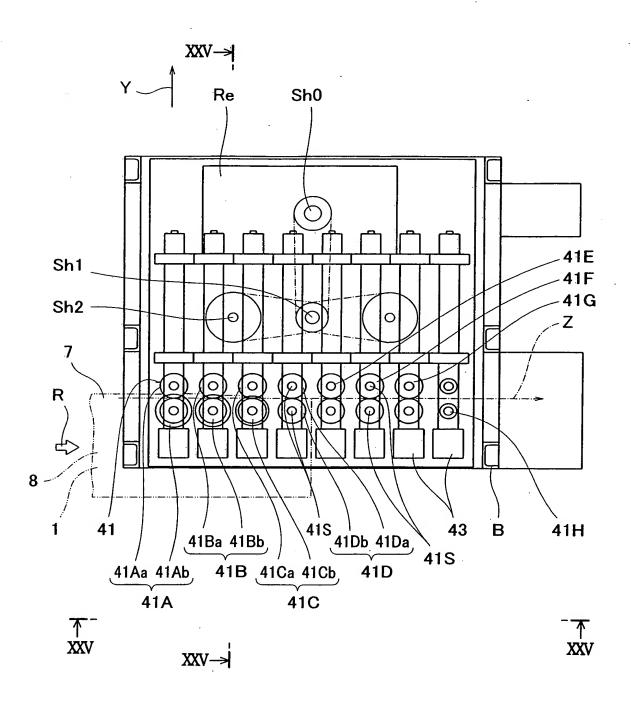


Fig. 22

107532312 Manufacturing Duct"

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 23 of 59

Ma. All, Gerstein & Borun 312-474-6300 - Richard H. Anderson

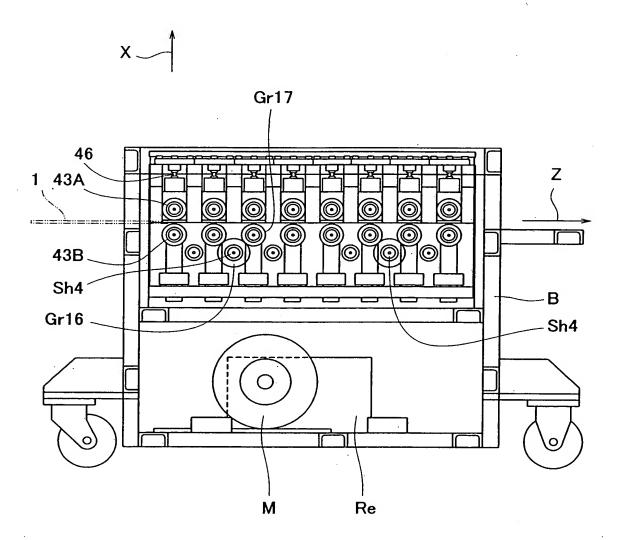


Fig. 23

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 24 of 59 Maxwell, Gerstein & Borun 312-474-6300 - Richard H. Anderson

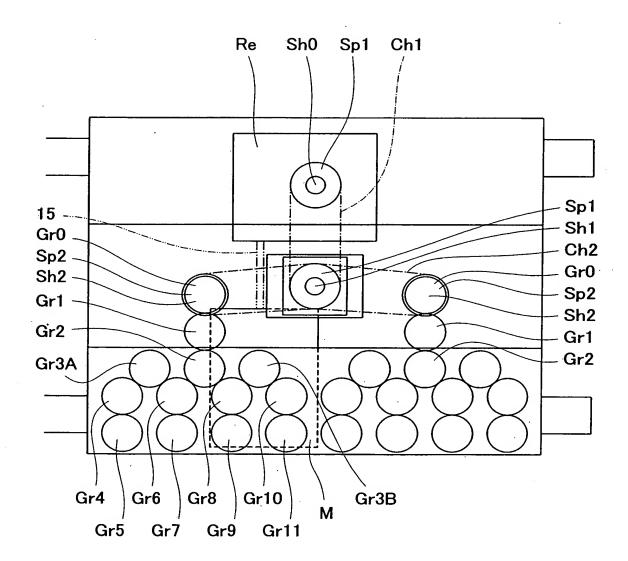


Fig. 24

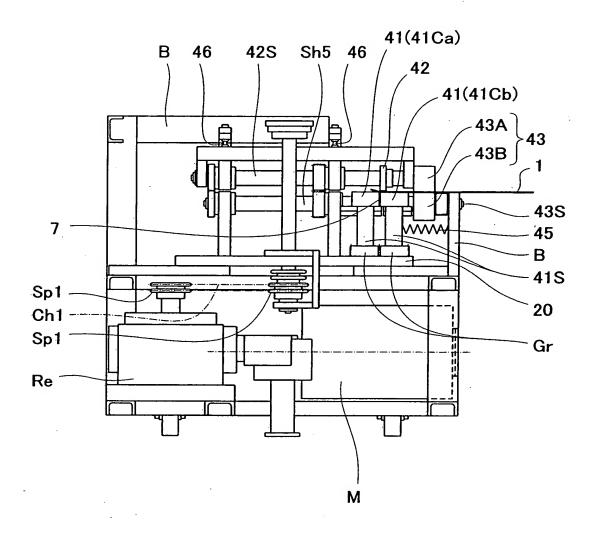
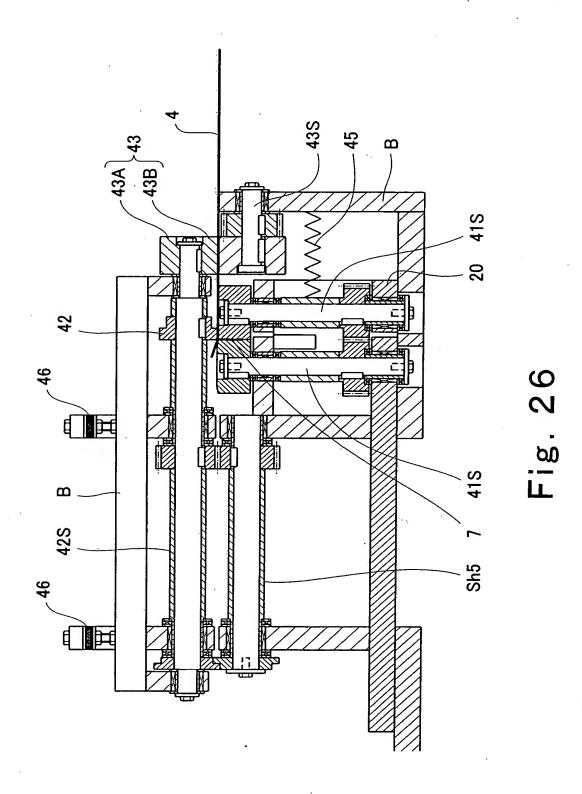
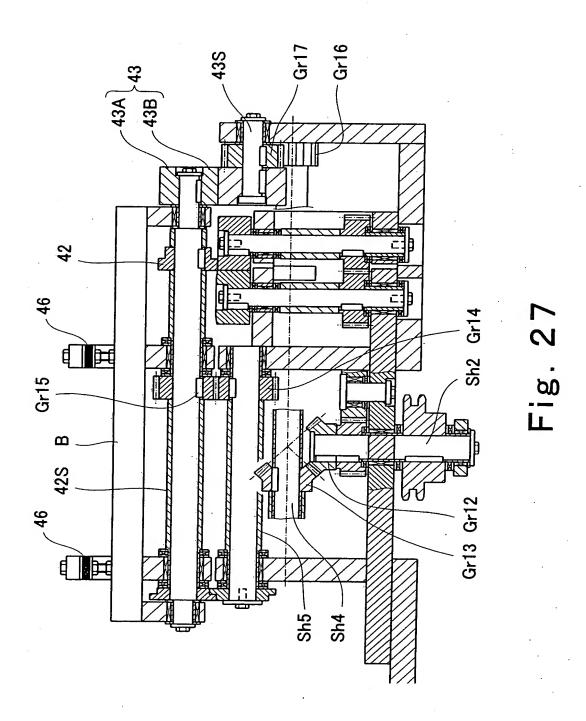


Fig. 25





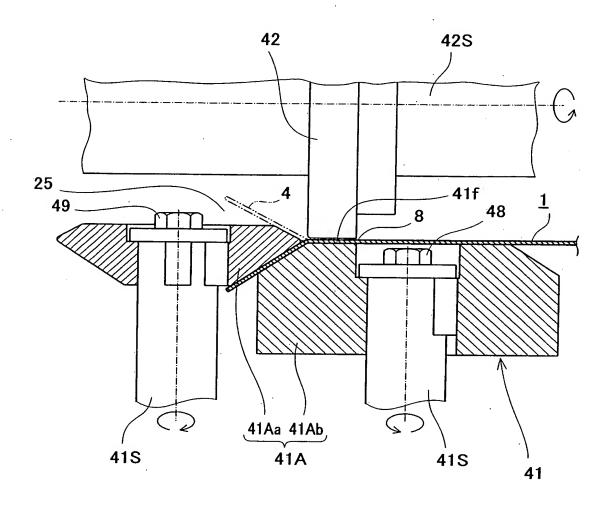


Fig. 28

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 29 of 59 al, Gerstein & Borun 312-474-6300 - Richard H. Anderson

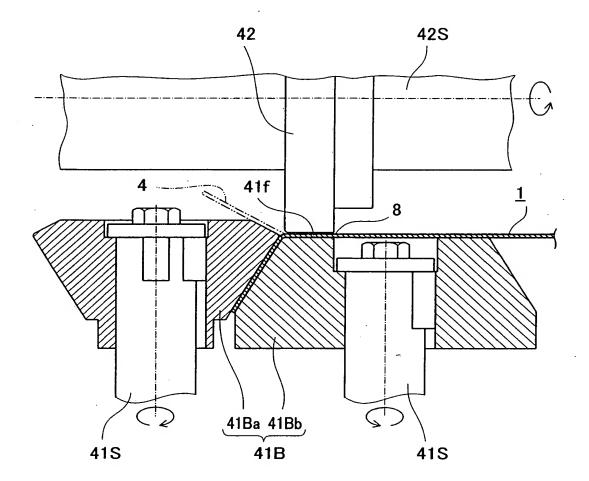


Fig. 29

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 30 of 59
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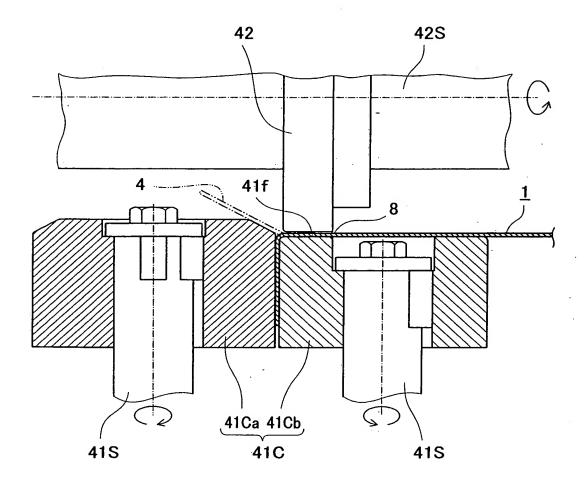


Fig. 30

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct TTY. DOCKET NO. 19036/40258/US; Page 31 of 59 Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

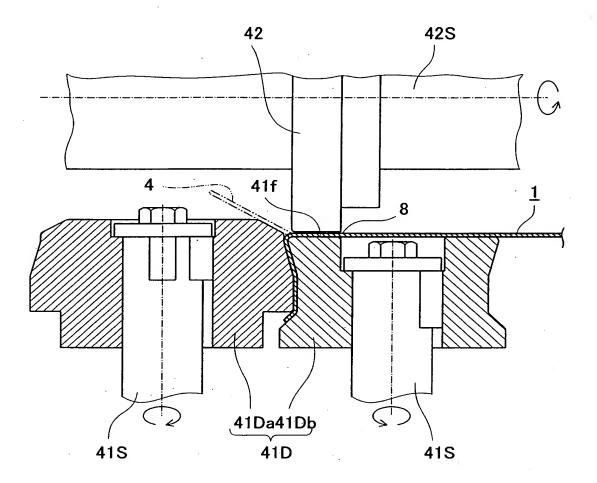


Fig. 31

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 32 of 59 Manufacturing Duct" il, Gerstein & Borun 312-474-6300 - Richard H. Anderson

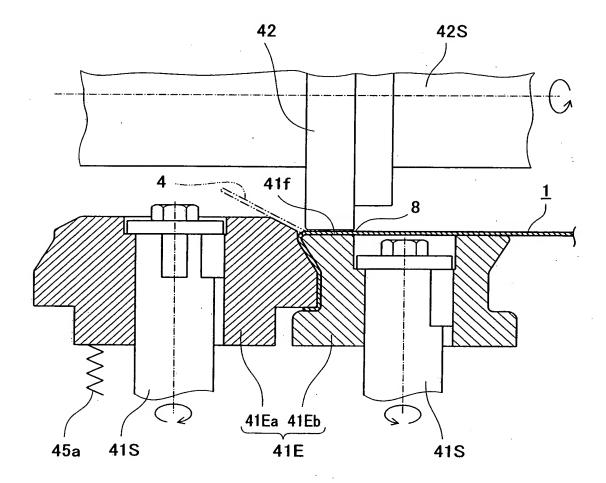


Fig. 32

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 33 of 59 Manufacturing Duct" ll, Gerstein & Borun 312-474-6300 - Richard H. Anderson

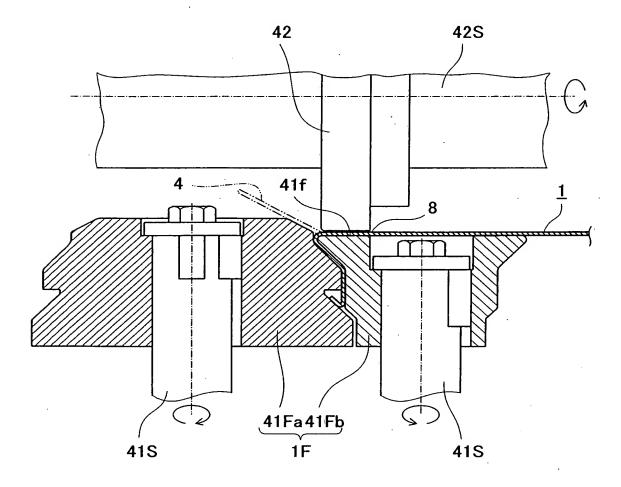


Fig. 33

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 34 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

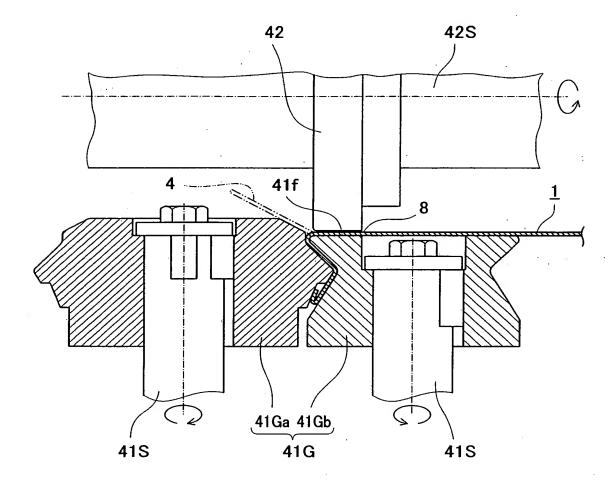


Fig. 34

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature or Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 35 of 59
Max. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

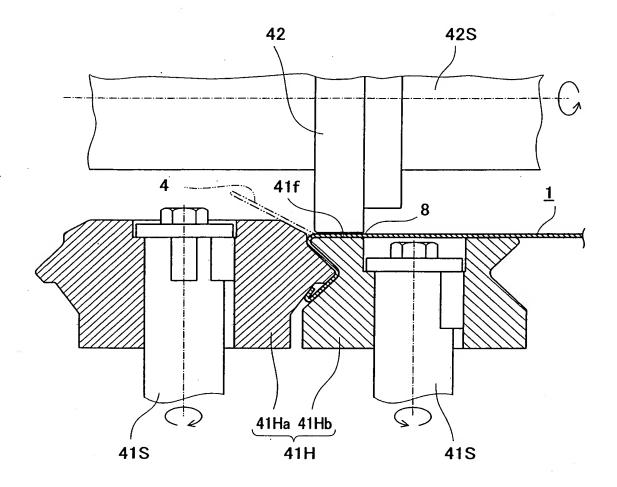


Fig. 35

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing the Duct, and App

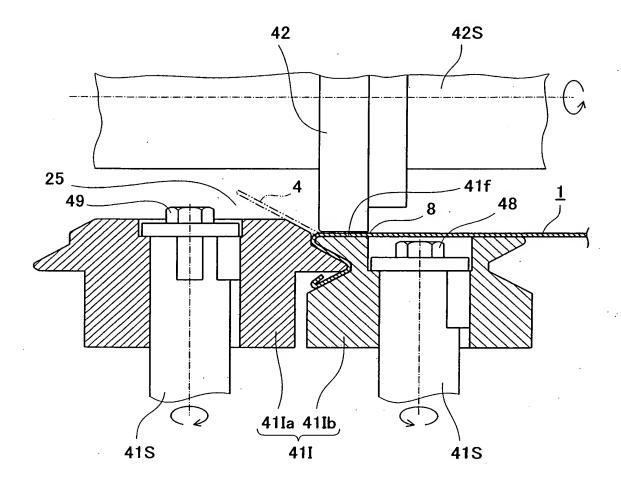


Fig. 36

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of TTY. DOCKET NO. 19036/40258/US; Page 37 of 59
May all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

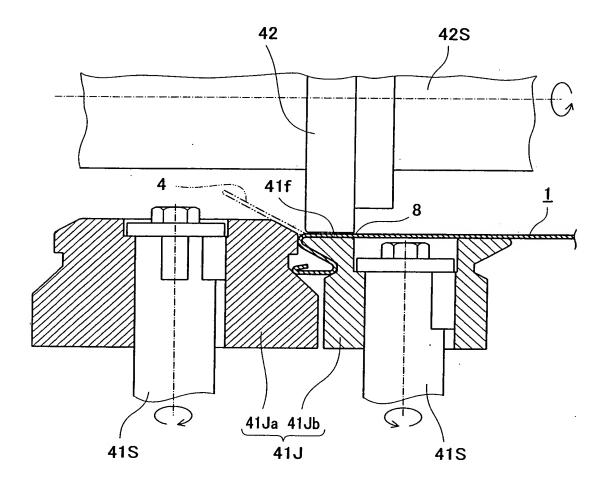


Fig. 37

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 38 of 59
Manufacturing Duct"
Manufacturing Duct"
Manufacturing Duct"

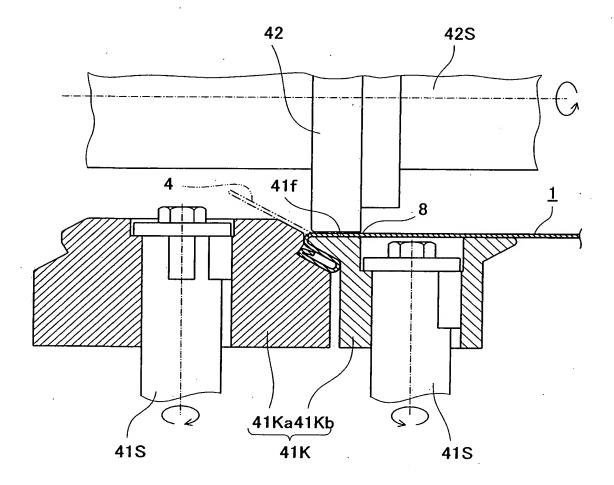


Fig. 38

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

(TTY. DOCKET NO. 19036/40258/US; Page 39 of 59

Max. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

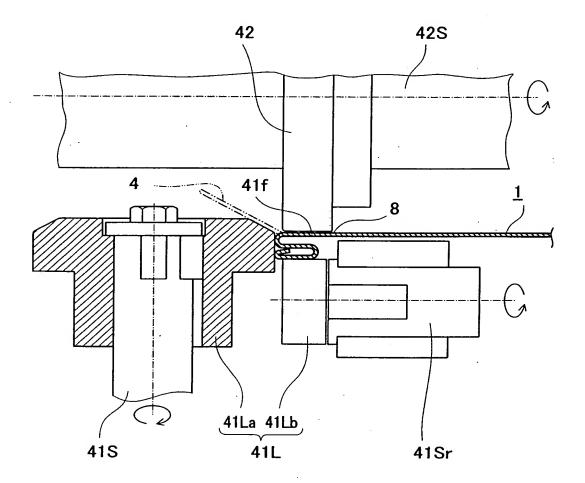


Fig. 39

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 40 of 59 al, Gerstein & Borun 312-474-6300 - Richard H. Anderson

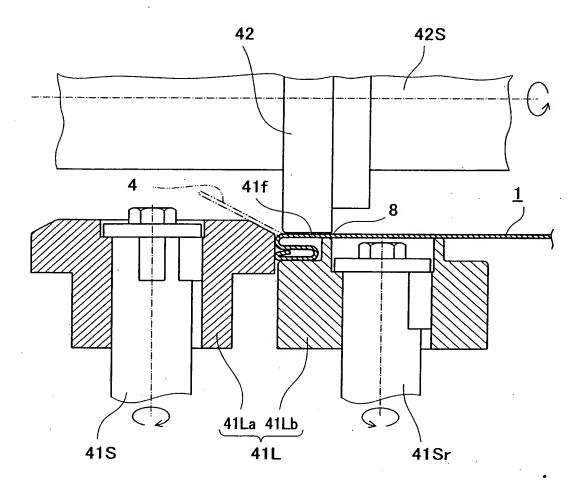


Fig. 40

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

TTY. DOCKET NO. 19036/40258/US; Page 41 of 59

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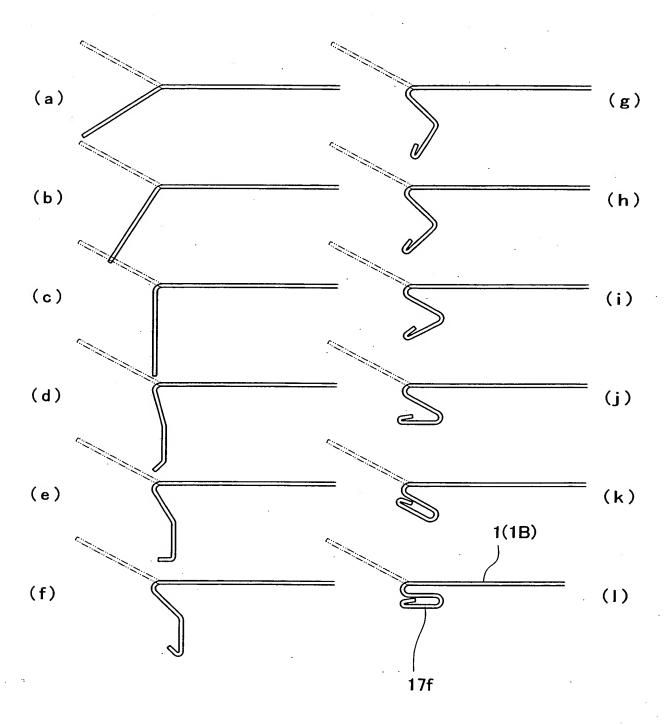


Fig. 41

TITLE: "Cornerplate-less Buct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

TITLE: "Cornerplate-less Buct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

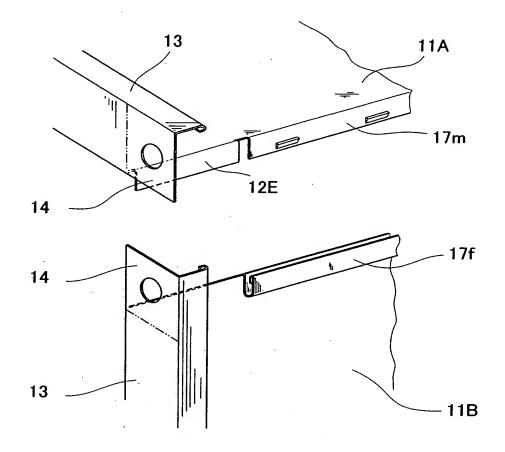


Fig. 42

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparatu TY. DOCKET NO. 19036/40258/US; Page 43 of 59 Manufacturing Duct" il, Gerstein & Borun 312-474-6300 - Richard H. Anderson

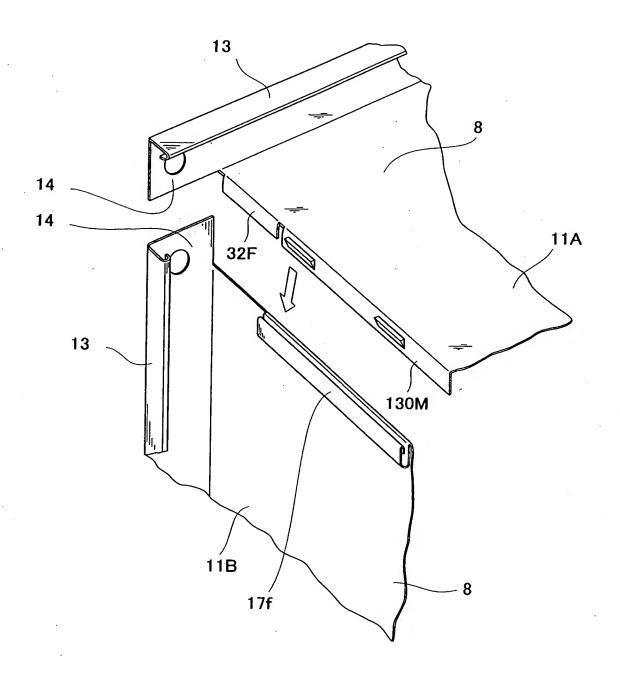


Fig. 43

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 44 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

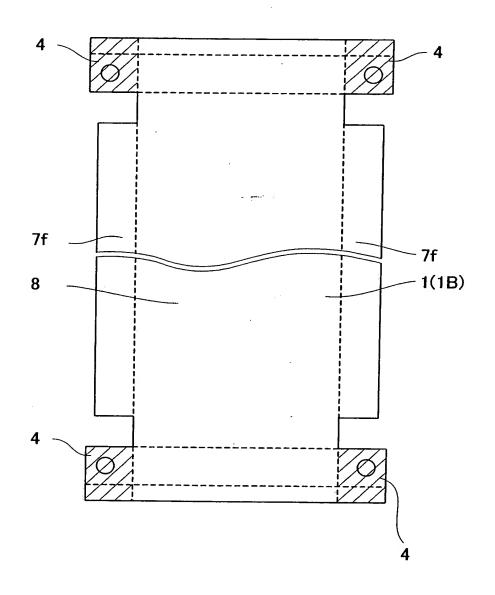


Fig. 44

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Pact, Method of Manufacturing the Duct, and Apparatures of Manufacturing Duct"

TYY. DOCKET NO. 19036/40258/US; Page 45 of 59

Manufacturing Duct"

Manufacturing Duct"

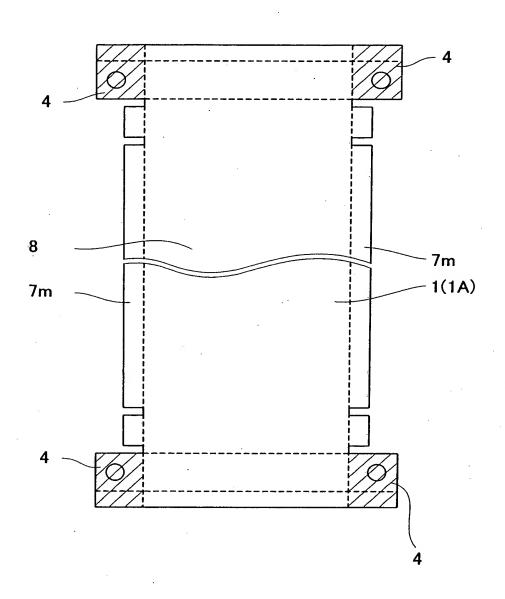


Fig. 45

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 46 of 59 Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

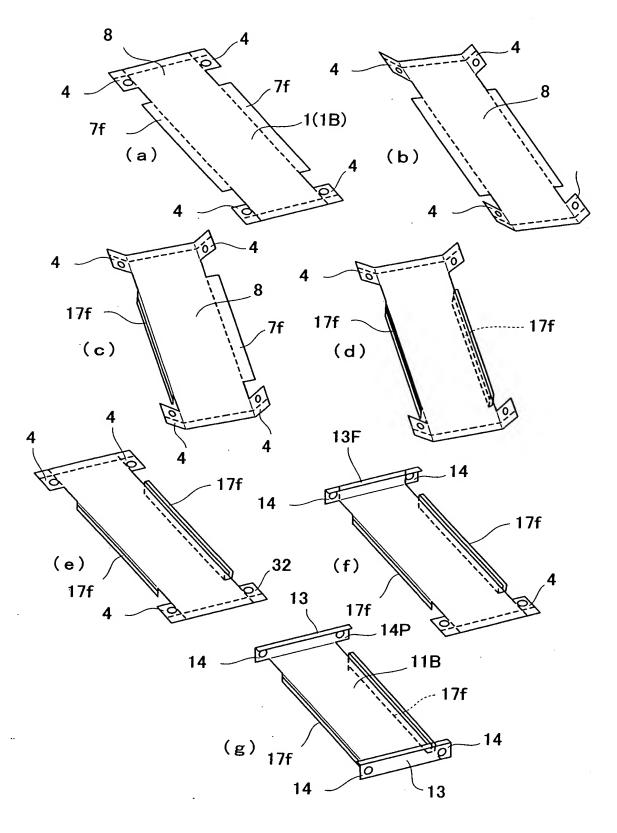


Fig. 46

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 47 of 59
Mai. 21, Gerstein & Borun 312-474-6300 - Richard H. Anderson

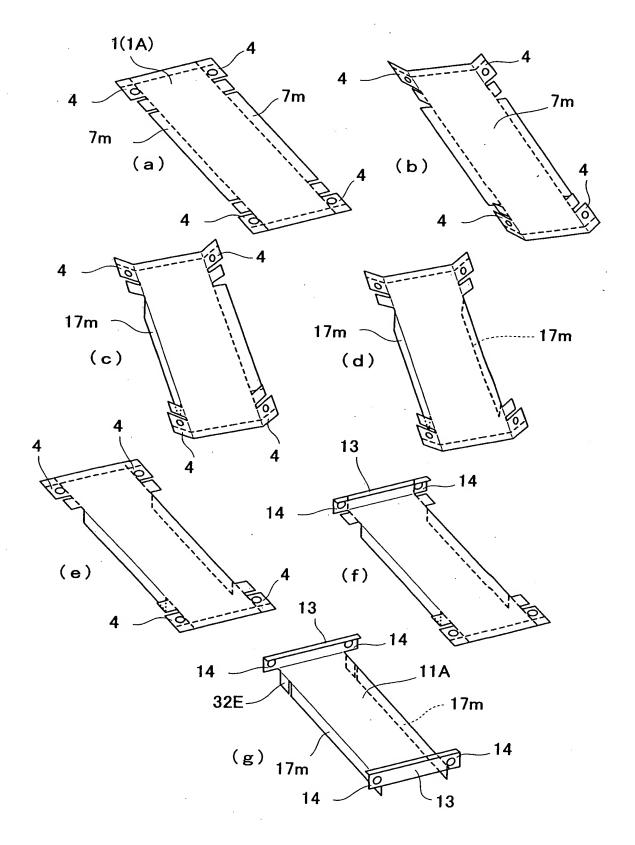


Fig. 47

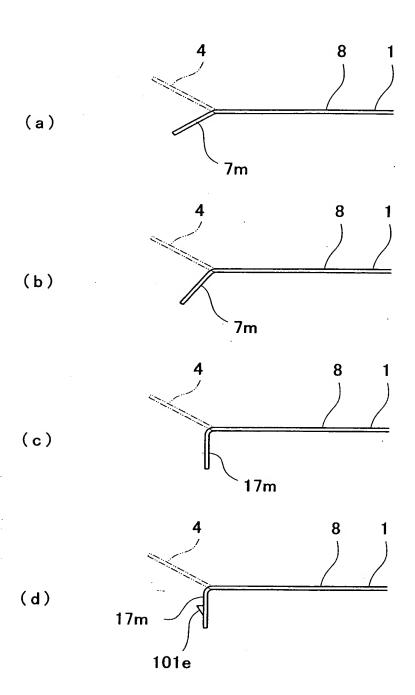


Fig. 48

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 49 of 59

Marchael, Gerstein & Borun 312-474-6300 - Richard H. Anderson

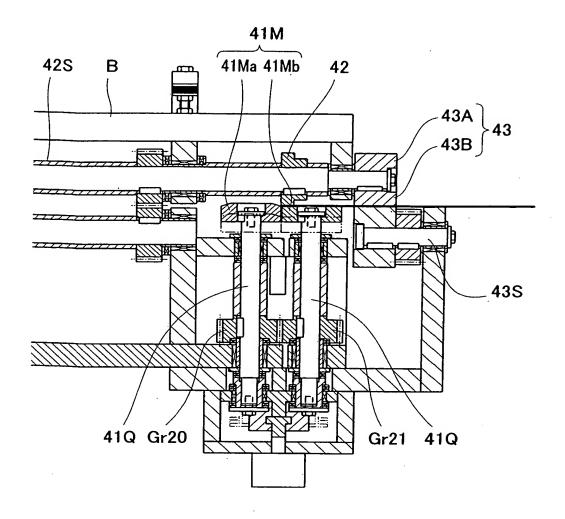
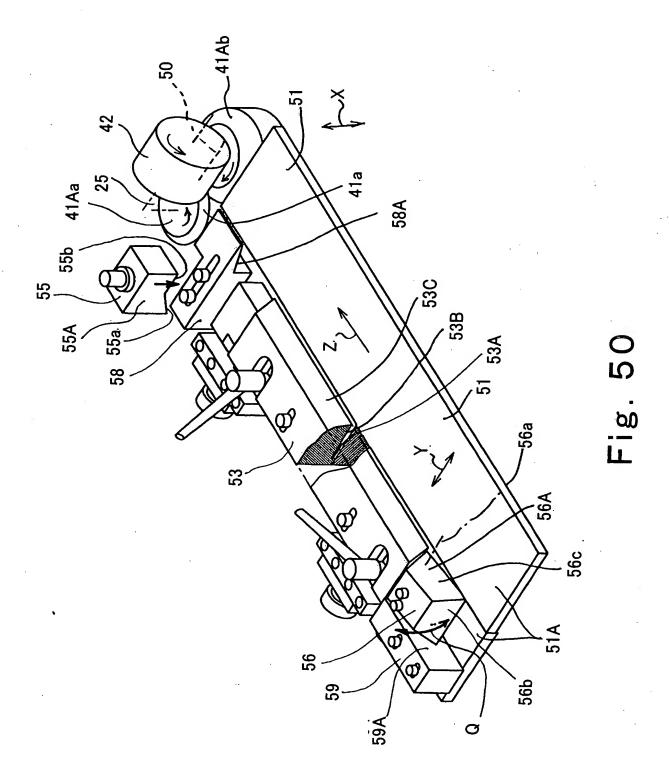


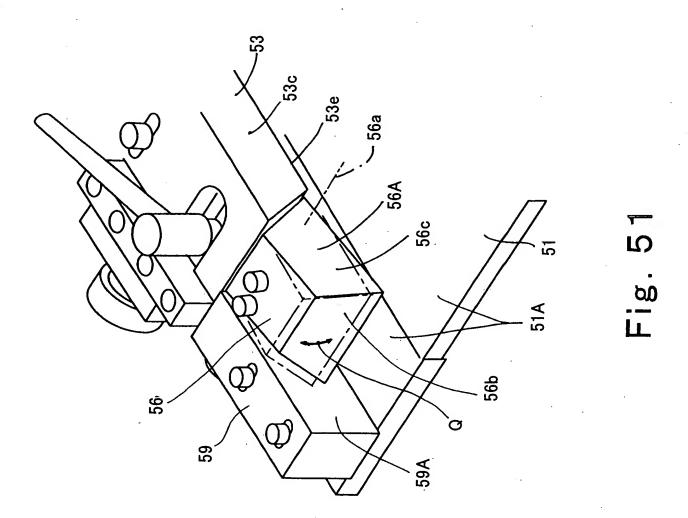
Fig. 49

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 50 of 59 Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

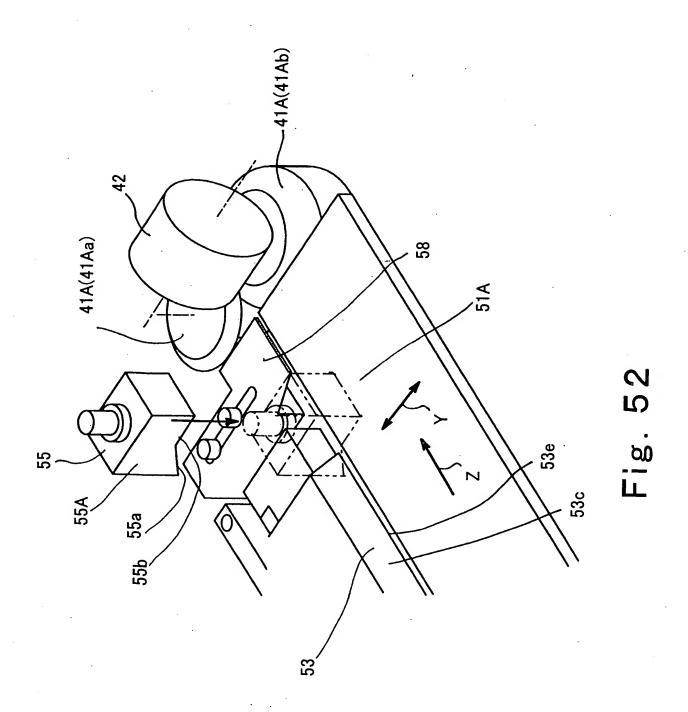


10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 51 of 59
Manufall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

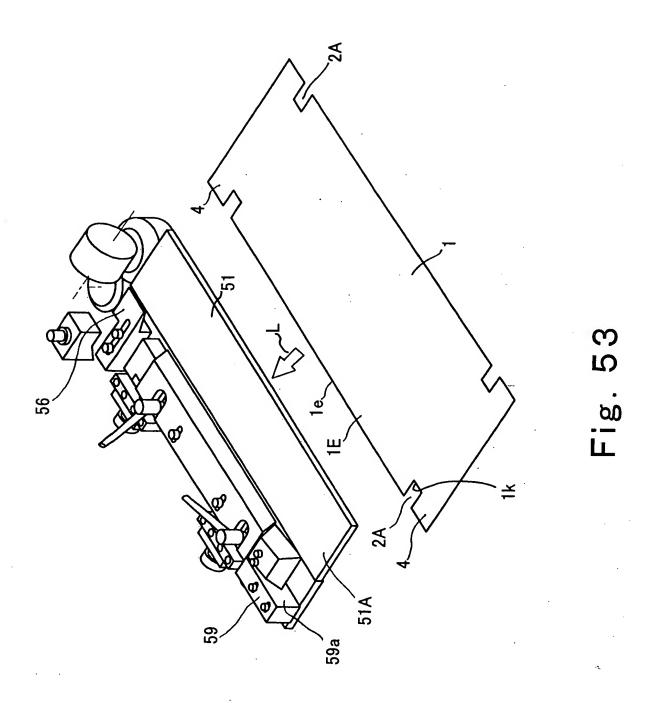


INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Pact, Method of Manufacturing the Duct, and Apparature (TY. DOCKET NO. 19036/40258/US; Page 52 of 59 Mars, all, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

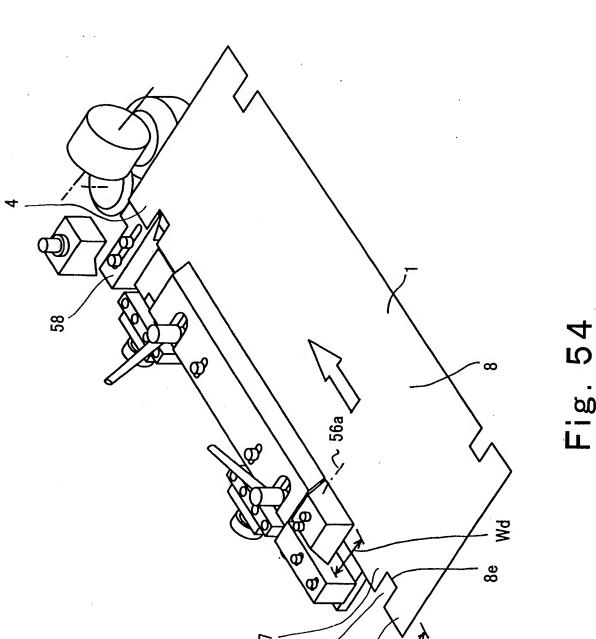


10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Suct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 53 of 59
Marsaall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

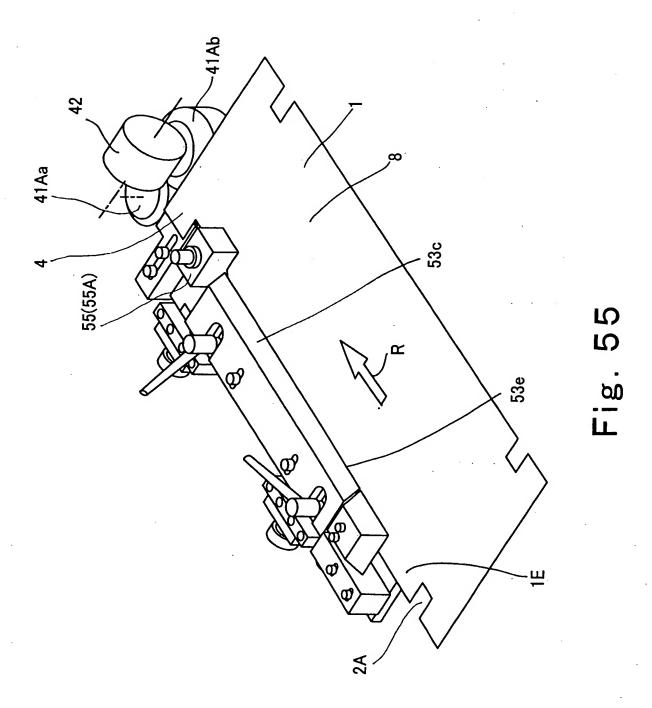


INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less and, Method of Manufacturing the Duct, and Apparature (TY. DOCKET NO. 19036/40258/US; Page 54 of 59 Maissaall, Gerstein & Borun 312-474-6300 - Richard H. Anderson



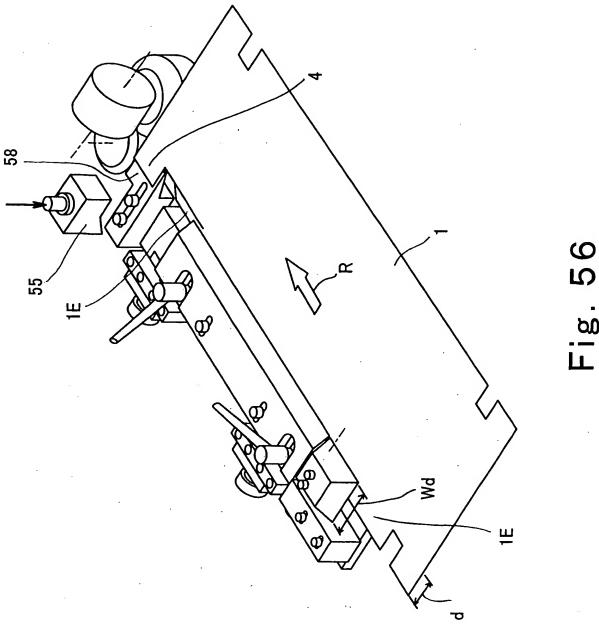
10/532312 Manufacturing Duct"

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 55 of 59 Maismall, Gerstein & Borun 312-474-6300 - Richard H. Anderson



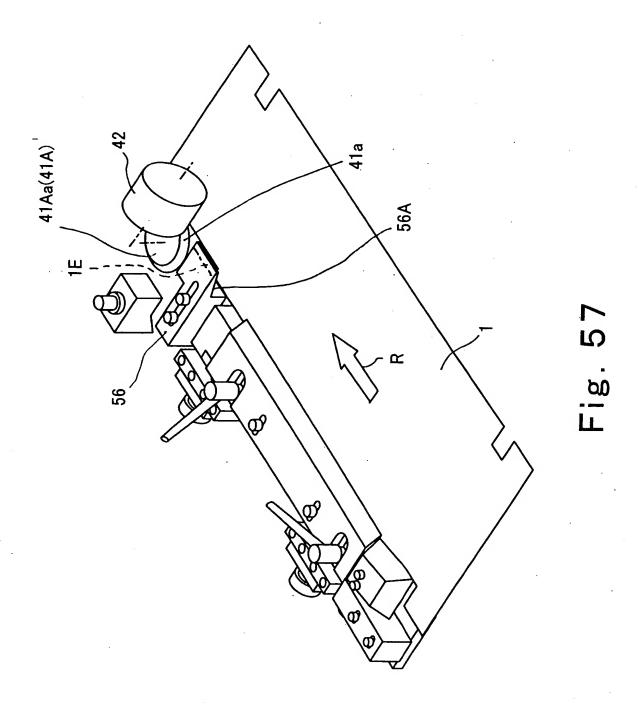
10/532312

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less of tet, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 56 of 59.
Maisnall, Gerstein & Borun 312-474-6300 - Richard H. Anderson



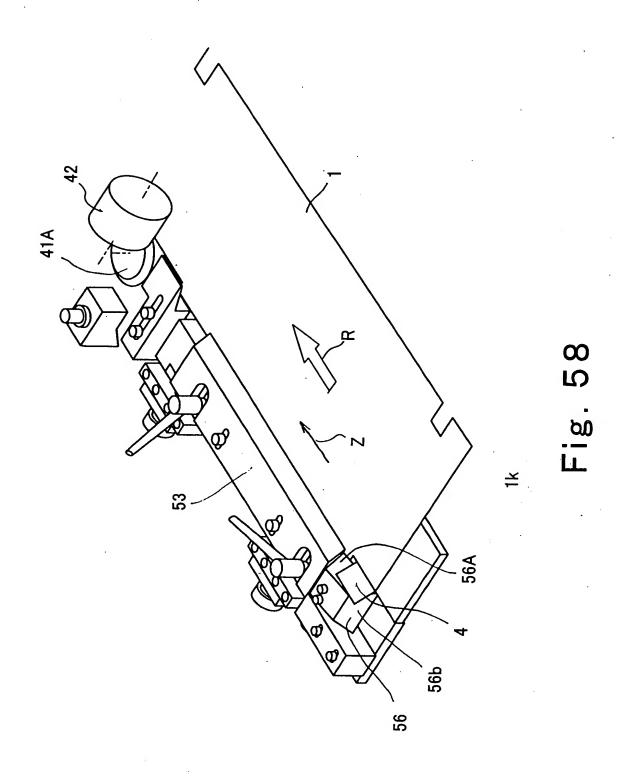
INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Pact, Method of Manufacturing the Duct, and Apparate TY. DOCKET NO. 19036/40258/US; Page 57 of 59
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Manufacturing Duct"



INVENTOR(s): Toshio Yamamoto, et al.; e-less foct, Method of Manufacturing the Duct, and Apparature (TY. DOCKET NO. 19036/40258/US; Page 58 of 59 Marshall, Gerstein & Borun 312-474-6300 - Richard H. Anderson TITLE: "Cornerplate-less

Manufacturing Duct"



10/532312

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Port, Method of Manufacturing the Duct, and Apparaturity DOCKET NO. 19036/40258/US; Page 59 of 59.

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